**CHEM 108-002**

**FALL 2017**



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| **Instructor:**  | **Mrs. Kristen Kull** |
| **Lab Meeting Time:** | Tuesday 2:00-4:50 pm Sims 103/105 |
| **Recitation:** | Friday 12:30 – 1:20 Sims 112 |
| **Course Credit Hours:** | 1 |
| **E-mail:**  | kullk@winthrop.edu |
| **Office:**  | Sims 107B |
| **Office Hours:** | Monday and Tuesday 1:00–1:50 or by appointment |

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All assignments are due at the end of the lab period except where otherwise indicated. Submissions to Blackboard (BB) are due by 11 pm., but ***may be*** turned in earlier. Weekly reports need submission from only one group member.

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| **Date:** | **Schedule** | **Assignments Due** |
| **8/22** | NO LAB CLASS for Kull Sec 001,002  | We **WILL** meet for recitation on Friday in Sims 112. |
| **8/25**  | RECITATION | CPI: Density, mathematical vs. graphical, reporting data, S.F. (sig. figs.)  |
| **8/29** | IntroductionSafety/Webpage QuizCooperative Project I  | Cooperative Project I- Prelab Assignment (8/29), Weekly Report (8/29 BB) and Notebook pages (9/2), Ind Final Report (9/6 to BB) |
| **9/1**  | RECITATION | Work on Density paper, precipitation/solubility work sheet |
| **9/5** | **Labor Day** | **No Lab** |
| **9/8**  | RECITATION | CPII, Unknown ionic compound, precipitation/solubility work sheet |
| **9/12** | Cooperative Project II | Cooperative Project II-  Prelab Assignment (9/6), Weekly Report (9/9 BB) and Notebook pages (9/9), Oral report in class (11/28 electronic copy to BB by 1:45 pm, hard copy- 6 slides per page 2pm) |
| **9/15**  | RECITATION | CPIII, Calcium: titration, neutralization, RDA determination |
| **9/19** | Cooperative Project III | Cooperative Project III- Prelab Assignment (9/12), Weekly Report (9/16) and Notebook pages (9/16) |
| **9/22**  | RECITATION | CPIII: Calcium: titration, neutralization, RDA determination |
| **9/26** | Cooperative Project III | Cooperative Project III- Prelab Assignment (9/19), Weekly Report (9/23 BB) and Notebook pages (9/23), Peer Eval and Ind Final Report (9/25 BB) |
| **9/29**  | RECITATION | CPIV: Calorimetry |
| **10/3** | Cooperative Project IV | Cooperative Project IV- Prelab Assignment (9/26), Weekly Report (9/30 BB) andNotebook pages (9/30) |
| **10/6**  | RECITATION | CPIV: Calorimetry |
| **10/10** | Cooperative Project IV | Cooperative Project IV- Prelab Assignment (10/3), Weekly Report (10/7 BB), and Peer Eval and Ind Final Report (10/9 BB) |
| **10/13**  | RECITATION | EXAM 1, RECITATION |
| **10/17** | Fall Break | **No Labs** |
| **10/20**  | RECITATION | CPV: organic nomenclature, functional groups |
| **10/24** | Cooperative Project V | Cooperative Project V- Prelab Assignment (10/10), Weekly Report (10/13 BB) |
| **10/27**  | RECITATION | CPV: IR, NMR |
| **10/31** | Cooperative Project V | Cooperative Project V- Prelab Assignment (10/24), Peer Eval and Ind Final Report (10/30 BB) |
| **11/3**  | RECITATION | CPVI: Kinetics |
| **11/7** | Cooperative Project VI | Cooperative Project VI- Prelab Assignment (10/31), Weekly Report (11/4 BB) |
| **11/10**  | RECITATION | CPVI: Kinetics |
| **11/14** | Cooperative Project VI | Cooperative Project VI- Prelab Assignment (11/14), Weekly report and Peer Eval (11/18 BB) |
| **11/17**  | RECITATION | CPVI: Kinetics |
| **11/21** | Thanksgiving | **No Labs** |
| **11/24**  | Thanksgiving | **11/24**  |
| **11/28** | Cooperative Project II - PresentationsLab Check-OutSkills Exam Practice  | CPII Oral report in class (11/28 electronic copy to BB by 1:45 pm, hard copy- 6 slides per page 2pm) |
| **12/1** | Exam 1 |  |
| **12/6** | **Final Exam** | **11:30 pm, Sims 103** |

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| **Cooperative Project I:**  | **Project 1:  Density** |
| **Cooperative Project II:** | **Project 11: Identification, Properties and Synthesis of an Unknown Ionic Compound** |
| **Cooperative Project III** | **Project 5: Designing a Calcium Supplement/Calcium Carbonate Synthesis** |
| **Cooperative Project IV:**  | **Project 12: Hot and Cold** |
| **Cooperative Project V:**  | **Project 14:  Identification, Properties and Synthesis of an Unknown Organic Compound** |
| **Cooperative Project VI:**  | **Ethanol Kinetic Experiment** |

**This is a tentative schedule and is subject to change.**

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| **Cooperative Project** | **Lab Report/Presentation Due Date** |
| Cooperative Project I | Lab Report Due- Group Final Report (9/6 to BB) |
| Cooperative Project II | Presentation on 11/28 in class, copy submitted to BB by 1:45 11/28, Hardcopy (6 slides per page) submitted at beginning of class |
| Cooperative Project III | Lab Report Due- Ind Final Report (9/25 to BB) |
| Cooperative Project IV | Lab Report Due- Ind Final Report (10/9 to BB) |
| Cooperative Project V | Lab Report Due- Ind Final Report (10/30 to BB) |
| Cooperative Project VI | Weekly reports only |

**All reports are to be submitted electronically on Blackboard (BB)**